

*West Virginia
Board of Education*

Innovation Zone Designation

**COMPETITIVE GRANT
APPLICATION**

**Application Due:
December 29, 2009**

*Division of Educator Quality and
System Support
West Virginia Department of Education*

**West Virginia Board of Education
2009-2010**

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*West Virginia
Board of Education*

Innovation Zone Designation

COMPETITIVE GRANT APPLICATION

**Application Due:
December 29, 2009**

Issued by the
West Virginia Department of Education
Division of Educator Quality and System Support
Building 6, Room 617
1900 Kanawha Boulevard, East
Charleston, WV 25305

Who May Apply?

- A school
- One or more schools acting as a consortia
- A group of schools seeking designation across the same subdivision or department of the schools
- A school seeking designation of a subdivision or department
- A higher education institution

How much money is available and to whom will recipients report?

The size of planning grant awards will be based upon a reasonable well planned projection of expenditures tied to the planning phase of developing the Innovation Zone Plan. The range of funding allowable is \$5,000 to \$50,000. The applicant must first be designated as an Innovation Zone to receive planning grant awards and begin the planning process.

* Please note: Some applicants may receive their requested waivers and be designated an Innovation Zone without receiving funding.

Each Innovation Zone receiving a grant must report annually to the West Virginia Board of Education regarding the progress in meeting the objectives described in its Innovation Zone Plan.

What are the steps of the application and the Plan?

Phase 1 (Application)

1. Complete the application for Innovation Zone designation.
2. Gain approval of 80 percent of faculty (those affected by Innovation Proposal).
3. Submit a record of support from parents, LSIC, business partners, students.
4. Submit a record of county board report (support and concerns) on application.
5. Applicants may mail their applications to the name/address, (see page 6), hand deliver, or submit electronically at the Innovation Zone Web site: <http://wvde.state.wv.us/innovationzones>.

**Completed grant application must be
received by e-mail, hand delivery or mail by
December 29, 2009**

Phase 2 (Plan)

WVDE technical assistance will be provided in completing the plan, if desired.

1. Complete the four components of the planning process (see page 5-6, Phase 2).
2. Gain approval of 80 percent of faculty (those affected by the Innovation Plan).
3. Submit a record of county board report (support and concerns) on the plan.
4. Applicants may mail their implementation plan to the name/address, (see page 6), hand deliver, or submit electronically at the Innovation Zone Web site: <http://wvde.state.wv.us/innovationzones>.

A. Cover Page

B. Information of Applicant:

Entity Applying for Innovation Zone Designation

- A school
- One or more schools acting as a consortia
- A group of schools seeking designation across the same subdivision or department of the schools
- A school seeking designation of a subdivision or department
- A higher education institution

Name of Entity Applying: Green Bank Elementary/Middle School

County: Pocahontas

Superintendent: Dr. J. Patrick Law

Number of Professional Personnel: 26

Number of Service Personnel: 11

Institution of Higher Education: National Radio Astronomy Observatory

County Location: Pocahontas

C. Narratives for the Innovation Zone Application:

• Project Design:

- The narrative shall indicate the results of an assessment of the improvement needs of the eligible applicant.
- Provide the goals and objectives of the project.
- Describe how the innovation is expected to work.
- How does the innovation solve the stated problem or create a new idea?
- Describe the methods or strategies to be used to achieve the goals and objectives of the innovation.
- Describe how the provision of greater flexibility and control assists the school in meeting the needs of the school’s students.
- Include an estimation of the number of students affected by the project design, and an estimation of the number of professional staff and service personnel affected by the project design.
- How will the proposed innovation change how the school is currently operating?

Most school systems are designed to educate all students using the same system. However, not all students will fit in that system. The innovation zone at Green Bank School is designed to educate all children according to their level of motivation and interest. We want to focus on improving math and science scores using real-world situations, up-to-date technology and advanced learning opportunities for middle school students in order to teach students to think and reason so they can solve anything. We also want to focus on providing classes for unmotivated students that will increase their interest in learning and improve their chances of graduating high school by offering prevocational classes during their middle school years. The philosophy is that if you can give them the desire to learn you can teach them at a level where they will retain what they learn for a lifetime.

By partnering with the National Radio Astronomy Observatory (NRAO) Green Bank School will be able to offer our middle school students opportunities for motivation and growth that could not be accomplished during the regular school day. Learning opportunities such as focused mini courses in math and science taught at the NRAO by their

experienced staff as well as advanced math and science courses can be offered in their state of the art facility. Internships with the NRAO staff in all aspects of their work, night classes in optical astronomy and the opportunities for extended summer camps are also programs that can be implemented in partnership with the NRAO.

Focus on Math and Science

- Science is where students use Reading and Math in real-world situations
- Strengthen math and reading skills using scientific concepts
- Use of 21st century skills, including group work, independent thinking and cooperation
- Cooperative teaching of math and science concepts

Changes to policy may include:

- Class schedules/times
- Planning times
- CSO coverage
- Substitution of courses
- Tracking waivers
- Teacher certification
- Classroom sizes
- Classtime restrictions
- Additional courses offerings

Prevocational classes offered to middle school students at Green Bank would be styled as feeder programs for classes already offered at the high school. By pre-teaching students necessary skills in classes that are interesting and motivating to them, we hope to encourage learning in these non-traditional classrooms to the extent that it will be retained enough to allow students to be successful in their high school classes. We anticipate that by providing high interest classes to low motivated students we will increase the graduation rate at Pocahontas County High School.

Changes to policy may include:

- Class schedules/times
 - Planning times
 - CSO coverage
 - Substitution of courses
 - Tracking waivers
 - Teacher certification
 - Classroom sizes
 - Classtime restrictions
 - Live animal policy (county policy)
 - Additional course offerings
- **Research Base:** This narrative shall discuss and cite the current state of knowledge relevant to the project design. This brief literature review should indicate why the proposed activities were selected or designed. If the proposal builds on prior work, the narrative should indicate what was learned from this work (either success or failure) and how these lessons learned are incorporated in the proposed design.
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The middle school years, Grades 5 through 8, are a critical period for students regarding achievement in math and science. Achievement in these subjects in middle school determines high school curricular choices and enrollment in higher level mathematics and science courses. These curricular opportunities and choices further influence access to postsecondary and occupational opportunities (Reynolds, 1991).
<http://www.highbeam.com/doc/1G1-95677721.html>

We want to start motivating our students to continue life-long learning as early as possible. By focusing on the elementary/middle school years, we can get these students established in a learning environment that will continue into their high school years.

“To ensure student success, an educational system must focus on student outcomes and provide the support necessary for students to achieve those outcomes. [...] The greatest student success occurs with different instructional strategies addressing the learning needs of all students” (Krueger & Sutton)
<http://www.ncrel.org/sdrs/areas/issues/content/contareas/math/ma800.htm>

Successful students differ from their less successful peers in many different ways. For example they often have clear ideas of what they want and do not want to achieve in life and moreover they perceive many learning settings as supportive of their own wishes, goals and needs and react positively to the teacher’s motivational practices (<http://www.curtain.edu.au/curtin/dept/smec/iae>)

Many of our students want to develop their knowledge beyond the traditional classes of middle school. They are ready to expand their horizons and are motivated to an extent that seems to lessen as they enter high school. By capitalizing on this exciting period in their lives we can foster an interest in subjects that will carry on through their high school and postsecondary school careers. We also want to increase the success of all of our students by finding interesting, relevant lessons that will focus on what they individually want to achieve in life.

- **Policies or Code that Prohibit or Constrain the Design:**

- X Waiver Requested of County Policy: Live animals in classroom
- X Waiver Requested of WVBOE Policy or Regulation: Subsections of Policy 2510
- _____ Waiver Requested of Statute: _____

- **Planning Narrative and Budget Page:**

- The budget narrative should clearly be tied to the project design.
- The budget narrative should describe the basis for determining the amounts shown on the project budget page.
- The budget page must list the anticipated activities and the amount of money dedicated to those activities.

(This section is not required of institutions of higher education in their application or plan).

Our budget will consist mainly of increased planning times, observations of other projects, professional development including training and collaboration time between instructors and NRAO staff. Additional time for seeking grant sources and procuring grants to implement the program will be necessary.

Increased planning time

- 20 hours/prevocational course @ 25.00/hour, which includes fixed costs-total: \$500.00 per class. 4 classes total, \$2,000.00 total.
- 18 hours science expansion classes in elementary level @ 25.00/hour, which includes fixed costs-total: \$450.00.
- 40 hours planning for summer camps @ 25.00/hour, which includes fixed costs-total \$1000.00

Substitute and travel costs

- 10 days of substitute and travel costs at a total of approximately \$3,000.00. This would cover grant writing trainings, collaborations times and observations of other projects in surrounding counties.

Search and Procurement of Grants

- 25 hours @25.00/hour, which includes fixed costs to search for and procure grants to continue implementing and improving our programs. Total costs: \$625.00

Professional Development

- \$3000.00 for travel expenses and subscriptions for professional development (e.g. Scipack) opportunities in math and science.

Total budget requested: \$11,075.00

Supporting Documents:

1. Record of Staff Commitment
2. LEA Report of Support or Concerns
3. Verification of Support from:
students, parents, school business partners, local school improvement council

(Documentation of evidence also may include electronic links, original videos, podcasts, DVDs, etc. if desired).

(The supporting documents listed above are not required of institutions of higher education in their application or plan).

Institutions of Higher Education must attach documents that include:

1. Approval from county board with jurisdiction over the school district in which the new school is planned to be located and its approval of the establishment of the new Innovation Zone School.
2. Cooperative agreements with the county board or county boards whose students attend the new Innovation Zone School that include:
 - a. Protocols for required reporting on student attendance
 - b. Protocols for reporting academic progress and other matters relating to administration, operation and support of the school and agreed to by the institution and the board or boards
 - c. Agreement on the participation of students enrolled in the Innovation Zone school in the curricular or extracurricular activities at the county school in which they are enrolled
 - d. Agreement between the state institution of higher education and participating county board or boards of education to meet the accountability requirements for student assessment under all applicable assessment programs administered by the West Virginia Department of Education and provisions of law or policy required by the No Child Left Behind Act of 2001, Public Law No. 107-110 or other federal law.

Application is submitted to WVBOE Selection Committee.

What resources are available to help complete this application?

Interactive information sessions for prospective applicants to explain the application process and answer questions from potential applicants will be held regionally. Register for this event with Donna Peduto, dpeduto@access.k12.wv.us, at the West Virginia Department of Education.

Address your application packets to:

Applicants may mail their applications to the name/address below, hand deliver, or submit electronically at the Innovation Zone Web site or to Donna Peduto at the address below:

<http://wvde.state.wv.us/innovationzones>

Donna Peduto, Coordinator Innovation Zone Initiative, or e-mail to dpeduto@access.k12.wv.us
Office of Organizational Effectiveness and Leadership
Division of Educator Quality and System Support
Building 6, Room 617
1900 Kanawha Boulevard, East
Charleston, WV 25305-0330

Applicant has been designated as Innovation Zone:

WVDE Technical Assistance will be provided for the development of the plan, if requested.

Phase 2: Development of Plan

What should be included in the plan?

Narratives for Innovation Zone Plan:

- **Plan of Work:**
 - The plan narrative clearly describes action steps, including timeframe, resources, responsible persons and method to measure progress for the project design.
 - Provide description of the number, type, duration of professional development, including the number of anticipated participants engaged. A table depicting the action plan may be submitted.
- **Project Evaluation:** Describe how you will know that your idea worked? What impact do you expect to achieve and how will you evaluate it?

Annual reports regarding progress related to the project design will be reviewed and provided to the West Virginia Board of Education on an annual basis.

- **Management Capability:** The narrative must explain how the Innovation Zone designee has the capability of managing the plan, organizing the work and meeting deadlines. This is critically important for the duration of the designation as an Innovation Zone. If clear evidence of management capability is not demonstrated in the first year, the West Virginia Board of Education can revoke or rescind Innovation Zone status.
- **Scalability and Sustainability:** The project should describe the capacity to be scaled to a statewide level and sustained beyond the initial funding period.

Supporting Documents:

1. Record of Staff Commitment
2. LEA Report of Support or Concerns

***Submit Plan to Donna Peduto, Coordinator of Innovation Zone Initiative
WVBOE approves or returns plan for modification.***

Who do we contact for assistance?

For additional assistance or questions related to the Innovation Zone application or plan, please contact:

**Donna Peduto, Coordinator Innovation Zone Initiative
Office of Organizational Effectiveness and Leadership
Division of Educator Quality and System Support
Building 6, Room 617
1900 Kanawha Boulevard, East
Charleston, WV 25305-0330
304-558-3199**

dpeduto@access.k12.wv.us

Certification
School/Schools Staff Commitment
Department/Departments/Subdivision/Subdivisions
Staff Commitment

Use this form to report the staff commitment regarding the innovation application and plan. A copy must be forwarded to the Innovation Zone Committee with the application and the plan.

School: _____

Department (If Applicable): _____

Notice of Meeting (Date provided to Faculty or Department/Subdivision): _____

Meeting Date: _____

Faculty Senate Elected Officers:

President: (Name)

Signature: _____

Vice-President: (Name)

Signature: _____

Secretary: (Name)

Signature: _____

Treasurer: (Name)

Signature: _____

Other: (Name)

Signature: _____

Service Personnel Representative:

Name: _____

Signature: _____

Position: _____

Parent Representatives:

Name: _____

Signature: _____

Name: _____

Signature: _____

Name: _____

Signature: _____

We certify that 80 percent of the faculty affected by the application/plan has voted to support the application/plan.

(This report certification is not required of institutions of higher education in their application or plan).

County Board or Boards
Report on Innovation Application/Plan

Use this form to report the county board or boards and superintendent's support or concerns, or both, about the innovation to the principal and faculty senate. A copy must be forwarded to the Innovation Zone Committee with the application and the plan.

School: _____

Department (If Applicable): _____

Date of School/Department/Subdivision Receipt of Application: _____

1. Application/plan must be accompanied by Staff Commitment Certification (Phase 1 and 2)
2. Support evidence from students, parents, local school improvement council and school business partners for the application (Phase 1)

Date of Regularly Scheduled County Board of Education Meeting: _____

County Board of Education Elected Officers:

President: (Name)	Signature:
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Vice-President: (Name)	Signature:
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Members: _____

Name:	Signature:
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Name:	Signature:
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Name:	Signature:
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Report: _____

Concerns: _____

Report of the local education agency must be forwarded to school/department/subdivision for submission to West Virginia Board of Education with their application/plan).

(This report certification is not required of institutions of higher education in their application or plan).

GLOBAL21

Students deserve it • The world demands it



Dr. Steven L. Paine
State Superintendent of Schools

Forgot to get Board Report signed, Pat called on



Jan. 12 to say he wants have it in 2 weeks

**Certification
School/Schools Staff Commitment
Department/Departments/Subdivision/Subdivisions
Staff Commitment**

Use this form to report the staff commitment regarding the innovation application and plan. A copy must be forwarded to the Innovation Zone Committee with the application and the plan.

School: Green Bank Elementary / Middle

Department (If Applicable): _____

Notice of Meeting (Date Provided to Faculty or Department/Subdivision): December 9, 2009

Meeting Date: December 9, 2009

Faculty Senate Elected Officers:

President: (Name) Anne Smith Signature: Anne Smith

Vice-President: (Name) Karen Murphy Signature: KAREN MURPHY

Secretary: (Name) Danielle Ullman Signature: Danielle Ullman

Treasurer: (Name) Julie Brown Signature: Julie Brown

Other: (Name) _____ Signature: _____

Service Personnel Representative:

Name: Lorella Wayne Signature: Lorella Wayne

Position: Secretary

Parent Representatives:

Name: Stephanie Barkley Signature: Stephanie Barkley

Name: Tom Boothe Signature: Tom Boothe

Name: Kristy Sisler Signature: Kristy Sisler

We certify that 80 percent of the faculty affected by the application/plan has voted to support the application/plan.

(This report certification is not required of institutions of higher education in their application or plan).

